

Recombinant human PLA1A protein

Catalog Number: ATGP2661

PRODUCT INFORMATION

Expression system

E.coli

Domain

26-456aa

UniProt No.

Q53H76

NCBI Accession No.

NP_056984

Alternative Names

Phospholipase A1 member A, PS-PLA1, PSPLA1

PRODUCT SPECIFICATION

Molecular Weight

49.5 kDa (454aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

PLA1A is a phospholipase that hydrolyzes fatty acids at the sn-1 position of phosphatidylserine and 1-acyl-2-lysophosphatidylserine. This secreted protein hydrolyzes phosphatidylserine in liposomes. Three transcript variants encoding different isoforms have been found for this gene. Recombinant human PLA1A protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSDAPPTPQ PKCADFQSAN LFEGTDLKVQ FLLFVPSNPS CGQLVEGSSD LQNSGFNATL

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GTKLIHGFRLVLTGKPSWIDTFIRTLRLRATNANVIAVDWIYGSTGVYFSAVKNVIKLSLEISLFLNKLLVLGVSESSIHI
IGVSLGAHVGMVGGQLFGGQLGQITGLDPA GPEYTRASVEERLDAGDALFVEAIHTDTDN LGIRIPVGHV DYFVNGGQDQ
PGCPTFFYAGYSYLICDHMR AVHLYISALE NSCPLMAFPC ASYKAFLAGR CLDCFNPFL SCPRIGLVEQ GGVKIEPLPK
EVKVYLLTTS SAPYCMHHSLEFHLKELRN KDTNIEVTFL SSNITSSSKI TIPKQRYGK GIIAHATPQC QINQVKFKFQ
SSNRVWKKDR TTIIGKFCTALLPVNDREKM VCLPEPVNLQ ASVTVSCDLK IACV

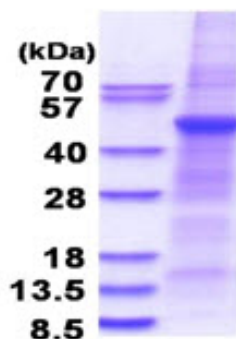
General References

Wang J., et al. (2002) J. Hum. Genet. 47:611-613

Nagai Y., et al. (1999) J. Biol. Chem. 274:11053-11059

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)